

Slip 20/04-22/06

# Work Order ID 57778

April 14, 2010 2:41:18 PM



Page 1

Item ID: D350-689-013

Accept



Setup Start



Revision ID:

Stop



Item Name: Floor Provisions

Start Date: 4/14/10 Start Qty: 1.00



Cust Item ID:

Required Date: 4/20/10 Req'd Qty: 1.00



Customer:

Reference:

Approvals: Process Plan: [Signature] Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_  
QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Run Start



Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	----------------	--------------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
IIN D350-689	Rev A

100 0.00



DOCUMENT CONTROL

DC

Memo 0.00

Document Control Photocopy D350-689 bluefile & type labels per PPP D350-689-013 CHG 002

8/10/10/11

10/04/15

101 0.00



Pick Kit

Packaging

Memo 0.00

Packaging

10-4-15

110 0.00



QC4- 100% Inspect kits for completeness

QC

Memo 0.00

Quality Control

8/10/10/11

10

**Work Order ID 57778**

April 14, 2010 2:41:18 PM



Page 2

Item ID: D350-689-013

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Start Date: 4/14/10 Start Qty: 1.00



Cust Item ID:

Required Date: 4/20/10 Req'd Qty: 1.00



Customer:

Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_  
QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Run Start



Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120 	Packaging	0.00							
Packaging	Memo	0.00							
Packaging	Identify and pack for shipping as per PPP D350-689-013 Location: _____ PPP Rev: <u>C</u>								
130 	QC21- Final Inspection - Work Order Release	0.00							
QC	Memo	0.00							
Quality Control									

10-4-21 SP (12)

10/04/21 [Signature]

MF  
10-4-21

# Picklist Print

April 14, 2010 2:41:14 PM

Page 1

Work Order ID: 57778

Parent Item: D350-689-013

Parent Item Name: Floor Provisions

Comments: IPP rev D 06.02.07 Re-format ec  
IPP rev E 06.02.28 Fixed typo ec  
IPP rev F 07.01.02 per dsi 9311 ec

Start Date: 4/14/10

Required Date: 4/20/10

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/	Replacement	Mfg/	Bin	Primary	Last	Route	Unit of	Qty on	Remaining	Qty	Date	Status
AN960JD10L	Purchased		No			110	Each	4,591.000	6.0000			



Washer



10-4-15 SL

Warehouse	Location	Loc Qty	Loc Code
Main Warehouse	ST348	4591	
	110985	4591	

Manufactured No

110 Each

5.0000



6

10-4-15 SL

Warehouse	Location	Loc Qty	Loc Code
Main Warehouse	ST177	5	
	22566	5	

Manufactured No

110 Each

6.0000



10-4-15 SL

Warehouse	Location	Loc Qty	Loc Code
Main Warehouse	ST177	6	
	51282	6	

f



Beam



Channel

# Picklist Print

April 14, 2010 2:41:14 PM

Page 2

Work Order ID: 57778

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IPP rev E 06.02.28 Fixed typo ec  
IPP rev.F 07.01.02 per dsi 9311 ec

Start Date: 4/14/10

Required Date: 4/20/10

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/	Replacement	Mfg/	Bin	Primary	Last	Route	Unit of	Qty on	Remaining	Qty	Date	Status
D3027-1		Manufactured	No			110	Each	35.0000	1.0000			

Clip

## Warehouse

## Loc Qty

## Loc Code

### Location

Main Warehouse

ST034

35

22566

35

110

Each

26.0000

1.0000

10-4-15 SP

SP

## Warehouse

## Loc Qty

## Loc Code

### Location

Main Warehouse

ST034

26

22566

26

110

Each

31.0000

1.0000

10-4-15 SP

SP

## Warehouse

## Loc Qty

## Loc Code

### Location

Main Warehouse

ST034

31

22566

31

1

April 14, 2010 2:41:14 PM

Shop Packet Print

Page 2

# Picklist Print

April 14, 2010 2:41:14 PM

Page 3

Work Order ID: 57778

Parent Item: D350-689-013

Parent Item Name: Floor Provisions

Comments: IPP rev D 06.02.07 Re-format ec  
IPP rev E 06.02.28 Fixed typo ec  
IPP rev.F 07.01.02 per dsi 9311 ec

Start Date: 4/14/10

Required Date: 4/20/10

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/	Replacement	Mfg/	Bin	Primary	Last	Route	Unit of	Qty on	Remaining	Qty	Date	Status
D3027-7		Manufactured	No			110	Each	26.0000	4.0000			
Clip												

Warehouse	Loc Qty	Loc Code
Location		
Main Warehouse		
ST034	26	
44566	26	

D3032-1		Manufactured	No			110	Each	5.0000	1.0000			
Spacer												

Warehouse	Loc Qty	Loc Code
Location		
Main Warehouse		
ST177	5	
22566	5	

D3033-1		Manufactured	No			110	Each	3.0000	2.0000			
Seat Track												

Warehouse	Loc Qty	Loc Code
Location		
Main Warehouse		
ST177	3	
53078	3	

D3033-3		Manufactured	No			110	Each	0.0000	1.0000			
Seat Track												

April 14, 2010 2:41:14 PM

Shop Packet Print

Page 3

# Picklist Print

Page 4

April 14, 2010 2:41:15 PM

Work Order ID: 57778

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Comments: IPP rev D 06.02.07 Re-format ec  
IPP rev E 06.02.28 Fixed typo ec  
IPP rev.F 07.01.02 per dsi 9311 ec

Start Date: 4/14/10

Required Date: 4/20/10

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/	Replacement	Mfg/	Bin	Primary	Last	Route	Unit of	Qty on	Remaining	Qty	Date	Status
MS20426AD3-6		Purchased	No			110	Each	2,230.000	16.0000			
												
Rivet												

10-4-15 SP

Warehouse Loc Qty Loc Code  
Location

Main Warehouse

ST316

2230

105055

2230

MS20426AD4-6

Purchased

No



Rivet

110 Each

3,641.000 17.0000

16

10-4-15 SP

Warehouse Loc Qty Loc Code  
Location

Main Warehouse

ST317

3641

110139

3641

MS20470AD4-5

Purchased

No



Rivet, Universal Head

110 Each

644.0000 18.0000

17

10-4-15 SP (10)

Warehouse Loc Qty Loc Code  
Location

Main Warehouse

ST319

644

111916

644

18

April 14, 2010 2:41:15 PM

Shop Packet Print

Page 4

# Picklist Print

April 14, 2010 2:41:15 PM

Page 5

Work Order ID: 57778

Parent Item: D350-689-013

Parent Item Name: Floor Provisions

Comments: IPP rev D 06.02.07 Re-format ec  
IPP rev E 06.02.28 Fixed typo ec  
IPP rev.F 07.01.02 per dsi 9311 ec

Start Date: 4/14/10

Required Date: 4/20/10

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/	Replacement	Mfg/	Bin	Primary	Last	Route	Unit of	Qty on	Remaining	Qty	Date	Status
MS20470AD4-6		Purchased	No			110	Each	1,292.000	210.000			
Rivet, Universal Head												

## Warehouse

### Location

Main Warehouse

ST320

## Loc Qty

1292

1292

## Loc Code

113644

110

Each

2,019.000/30.0000

10-4-15 S

MS20470AD5-6

Purchased

No

Rivet

## Warehouse

### Location

Main Warehouse

ST320

## Loc Qty

2019

2019

## Loc Code

105433

110

Each

15.0000/8.0000

2  
10-4-15 S

MS21059L3

Purchased

No

Nut Plate

## Warehouse

### Location

Main Warehouse

ST302

## Loc Qty

15

15

## Loc Code

113749

30  
10-4-15  
M114449 (34) S

April 14, 2010 2:41:15 PM

Shop Packet Print

Page 5

# Picklist Print

April 14, 2010 2:41:17 PM

Page 6

Work Order ID: 57778

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Parent Item Name: Floor Provisions

Comments: IPP rev D 06.02.07 Re-format ec  
IPP rev E 06.02.28 Fixed typo ec  
IPP rev.F 07.01.02 per dsi 9311 ec

Start Date: 4/14/10

Required Date: 4/20/10

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/	Replacement	Mfg/	Bin	Primary	Last	Route	Unit of	Qty on	Remaining	Qty	Date	Status
MS24693-S273		Purchased	No			110	Each	848.0000	2.0000			

Screw

## Warehouse

## Loc Qty

## Loc Code

### Location

Main Warehouse

ST288

848

100151

848

110

Each

173.0000

6.0000

2

10-4-15

sl

(R)

MS27039-1-10

Purchased

No

Screw

## Warehouse

## Loc Qty

## Loc Code

### Location

Main Warehouse

ST291

173

112794

73

112940

100

6

April 14, 2010 2:41:17 PM

Shop Packet Print

Page 6



## 25.5 WEIGHT AND BALANCE

The following weight and balance information is for the Dart Dual High Back Seat Installation. The weight and balance of the parts that are removed from the aircraft to perform this installation are the responsibility of the installer.

Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
D350-689-011	27.0 lb	-18.2 in	-491 in-lb	60.7 in	1639 in-lb
Dual High Back Seat Installation	12.2 kg	-0.46 m	-5.6 m-kg	1.54 m	18.8 m-kg
D350-689-013	2.0 lb	-18.2 in	-36 in-lb	60.7 in	121 in-lb
Floor Provisions Kit	0.9 kg	-0.46 m	-0.4 m-kg	1.54 m	1.4 m-kg

## 25.6 PARTS LIST

Qty		Part Number	Description
X		D350-689-011	DUAL HIGH BACK SEAT INSTALLATION, LH
1	X	D350-689-013	FLOOR PROVISIONS KIT
1		D350-689-041	DUAL HIGH BACK SEAT ASSEMBLY
	2	D3016-041	SEAT FRAME ASSEMBLY
	1	D3017-041	BACK FRAME ASSEMBLY
1		D3018-1	SEAT CUSHION
1		D3019-1	BACK CUSHION
	1	D3021-041	TUBE ASSEMBLY
	1	D3022-1	SEAT PAN
	1	D3023-1	BACK PANEL
	3	D3024-1	SPACER
	1	D3025-1	BEAM
	1	D3026-1	CHANNEL
	1	D3027-1	CLIP
	1	D3027-3	CLIP
	1	D3027-5	CLIP
	4	D3027-7	CLIP
	4	D3028-1	STUD
	2	D3029-1	SPRING
	2	D3030-1	LOCK
	2	D3031-1	LOOP
	1	D3032-1	SPACER
	1	D3033-1	SEAT TRACK
	1	D3033-3	SEAT TRACK
	6	AN960JD10L	WASHER
	3	AN912A	BOLT
	16	MS20426AD3-6	RIVET
	17	MS20426AD4-6	RIVET
	18	MS20470AD4-5	RIVET
	2	MS20470AD4-6	RIVET
	30	MS20470AD5-6	RIVET
	46	MS20600AD4W2	RIVET
	8	MS21059L3	NUTPLATE
	6	MS27039-1-10	SCREW
	4	MS27039-1-17	SCREW
	12	MS27039-1-19	SCREW
	4	MS24693-S272	SCREW
	2	MS24693-S273	SCREW
	23	MS21042L3	NUT (OR MS21042-3)

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Revision: 0

25-00-00

Page 13 (14 blank) of 14

**Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_  
 Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

REFERENCE ONLY

# DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D350-689 REV. A  
AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D350-689 REV 0

REF TCCA STC: SH02-33  
REF FAA STC: SR01620NY  
REF EASA STC: EASA.IM.R.S.01453  
REF BRAZILIAN STC: 2005S03-09

**PURPOSE:**

TO UPDATE THE PARTS LIST AND THE WEIGHT AND BALANCE TABLE IN IIN-D350-689 REV A AND ICA-D350-689 REV 0.

**CHANGE:**

FOR D350-689-011 AT CHANGE 003, D350-689-021 AT CHANGE 002, D350-689-041 AT CHANGE 002 AND D350-689-043 AT CHANGE 002, QTY (6) OF: MS27039-1-19 SCREW; MS21042L3 NUT & AN960JD10L WASHER REPLACED WITH QTY (6) OF: MS27039-4-21 SCREW; MS21042L4 NUT & NAS1149D0432J WASHER RESPECTIVELY. FIGURE 6 (PG 9) OF IIN-D350-689 MODIFIED PER SHT 2 OF THIS SERVICE INSTRUCTION. THE HARDWARE SECTION OF THE PARTS LIST IN SECTION 5 (PG 10) OF IIN-D350-689 REV A & SECTION 25.6 (PG 31) OF ICA-350-689 REV 0 IS AMENDED AS FOLLOWS:

Qty	Qty	Qty	Qty	Qty	Qty	Part Number	Description
-011	-021	-023	-041	-043			
X						D350-689-011	DUAL HIGH BACK SEAT INSTALLATION, LH
1						D350-689-013	FLOOR PROVISIONS KIT
	X					D350-689-021	DUAL HIGH BACK SEAT INSTALLATION, LH (REF DSI 9419)
	1	X				D350-689-023	ENERGY ATTENUATING FLOOR PROVISION KIT (REF DSI 9419)
1			X			D350-689-041	DUAL HIGH BACK SEAT ASSEMBLY
	1			X		D350-689-043	DUAL HIGH BACK SEAT ASSEMBLY (REF DSI 9419)
6			17	17		NAS1149D0332J	WASHER (OR AN960JD10L)
		9				NAS1149D0363J	WASHER (OR AN960JD10)
			6	6		NAS1149D0432J	WASHER (OR AN960JD16)
			3	3		AN3-12A	BOLT
16						MS20426AD3-6	RIVET
		14				MS20426AD4-5	RIVET
						MS20426AD4-6	RIVET
16		34				MS20470AD4-5	RIVET
2		18				MS20470AD4-6	RIVET
30		32				MS20470AD5-6	RIVET
			40	40		MS20600AD4W2	RIVET
			6	6		MS20600AD4W3	RIVET (REF DSI 9349)
8						MS21059L3	NUTPLATE
6						MS27039-1-10	SCREW
			4	4		MS27039-1-17	SCREW
			6	6		MS27039-1-19	SCREW
			6	6		MS27039-4-21	SCREW
			4	4		MS24693-S272	SCREW
						MS24693-S273	SCREW
				8		MS24694-S3	SCREW
		9				MS24694-S50	SCREW
			4			MS24694-S148	SCREW
		9	17			MS21042L3	NUT (OR MS21042-3)
			6	6		MS21042L4	NUT (OR MS21042-4)

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-0-01

APPROVED

BY: *[Signature]*  
D. SHEPHERD (DE # 02)

DATE: 10.01.21  
CERT. NO.: SH02-33  
ISSUE NO.: 1

A	NEW ISSUE.		JPH	10.01.21
REV.	DESCRIPTION		BY	DATE
DESIGN	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA		REV. A	
DRAWN			SHEET 1 OF 2	
CHECKED			SCALE	
MFG. APPR.			NTS	
APPROVED	DRAWING NO. DSI 9498		TITLE	
DE APPR.	SEAT REINF; IIN & ICA UPDATE		DATE 10.01.21	
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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries